

ESP	RES	SIF SYSTE	MS				
乐鑫	言思科	技 (上海) 月	设份:	有限公	司		
Title	ESP32-S3-BOX						
Task	3637	377				Rev	2.4
Date	Fri, S	Sep 17, 2021		Confidential and Proprietar			
metal					1.		
Thickness		Impedance				paration	Gap

Stack up	Material	Base copper (OZ)	Thickness (mil)	DK
CM			0.4	- 4
L1_Top		0.33	0.8	
100/	7628 TG150 RC50%		8.22	4.6
L2_Gnd		1	1.2	
Cong	Core		Adjustable	4.6
L3_Power		- 1	1.2	
/he//	7628 TG150 RC50%		8.22	4.6
L4 Bottom	Finished Copper 1 OZ	0.33	0.8	
SM			0.4	4



ESF	RES	SIF SYSTE	MS					
乐鑫	信息科	技(上海)月	分份	有限公	司			
Title	ESP32-S3-BOX							
Task	3637					Rev	2.4	
Date	Fri, Sep 17, 2021 Co			Conf	Confidential and Proprietary			
Thick	ness	Impedance	1.0	/idth	0.	eparation	Gap	
1.0 mm		90 ohm	7.3 mil		36	6 mil	5 mil	

Stack up	Material	Base copper (OZ)	Thickness (mil)	DK
CM			0.4	4
L1_Top	Finished Copper 1 OZ	0.33	0.8	
/PP/	7628 TG150 RC50%		8.22	4.6
L2_Gnd		-1	1.2	
Conf	Core		Adjustable	4.6
L3_Power		-1	1.2	
/99/	7628 TG150 RC50%		8.22	4.6
L4_Bottom	Finished Copper 1 OZ	0.33	0.8	
SM			0.4	-4